

2811

PTO/SB/21 (12/97)

Approved for use through 9/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application No.	09/473,305
		Filing Date	December 28, 1999
		First Named Inventor	Kristopher Frutschy
		Group Art Unit	2811
		Examiner Name	N. Parekh
Total Number of Pages in This Submission		Attorney Docket Number	42390P7663

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> To Convert a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	<input type="checkbox"/> - Return Receipt Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Donna Jo Coningsby, Reg. No. 41,684 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	December 27, 2000

CERTIFICATE OF MAILING/TRANSMISSION

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Signature	
Date	December 27, 2000

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Approved for use through 09/30/2000. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

Complete if Known

Application No.	09/473,305
Filing Date	December 28, 1999
First Named Inventor	Kristopher Frutschy
Examiner Name	N. Parekh
Group/Art Unit	2811
Attorney Docket No.	42390P7663

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **02-2666**

Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

Charge Any Additional Fee(s) Required
Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.

Applicant claims small entity status.
See 37 CFR 1.27.

2. Payment Enclosed:

Check Credit card Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
101	710	201	355 Utility filing fee
106	320	206	160 Design filing fee
107	490	207	245 Plant filing fee
108	710	208	355 Reissue filing fee
114	150	214	75 Provisional filing fee
SUBTOTAL (1) (\$)			

2. EXTRA CLAIM FEES

Total Claims	Independent Claims	Extra Claims	Fee from below	Fee Paid
19	5	28 = 	X 18.00 = 	0
Multiple Dependent				
X 80.00 = 				

**or number previously paid, if greater. For Reissues, see below

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	Fee Description
103	18	203 9 Claims in excess of 20
102	80	202 40 Independent claims in excess of 3
104	260	204 135 Multiple Dependent claim, if not paid
109	80	209 40 **Reissue independent claims over original patent
110	18	210 9 **Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

3. ADDITIONAL FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
105	130	205 65 Surcharge - late filing fee or oath	
127	50	227 25 Surcharge - late provisional filing fee or cover sheet.	
139	130	139 130 Non-English specification	
147	2,520	147 2,520 For filing a request for reexamination	
112	920*	112 920*Requesting publication of SIR prior to Examiner action	
113	1,840*	113 1,840*Requesting publication of SIR after Examiner action	
115	110	215 55 Extension for response within first month	
116	390	216 195 Extension for response within second month	
117	890	217 445 Extension for response within third month	
118	1,390	218 695 Extension for response within fourth month	
128	1,890	228 945 Extension for response within fifth month	
119	310	219 155 Notice of Appeal	
120	310	220 155 Filing a brief in support of an appeal	
121	270	221 135 Request for oral hearing	
138	1,510	138 1,510 Petition to institute a public use proceeding	
140	110	240 55 Petition to revive - unavoidable	
141	1,240	241 620 Petition to revive - unintentional	
142	1,240	242 620 Utility issue fee (or reissue)	
143	440	243 220 Design issue fee	
144	600	244 300 Plant issue fee	
122	130	122 130 Petitions to the Commissioner	
123	130	123 130 Petitions related to provisional applications	
126	180	126 180 Submission of Information Disclosure Stmt	
581	40	581 40 Recording each patent assignment per property (times number of properties)	
146	710	246 355 Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249 355 For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279 355 Request for Continued Examination (RCE)	
169	900	169 900 Request for expedited examination of a design application	
Other fee (specify) _____			
Other fee (specify) _____			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$)			

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Donna Jo Coningsby	Registration No. (Attorney/Agent)	41,684	Telephone	(503) 684-6200
Signature	<i>Donna Jo Coningsby</i>		Date	12/27/00	

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42390.P7663



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Frutschy, et al.

Serial No.: 09/473,305

Filed: December 28, 1999

For: DIRECT BGA ATTACHMENT
WITHOUT SOLDER REFLOW

Examiner: N. Parekh

Group Art Unit: 2811

Attorney Docket No.: 42390-P7663

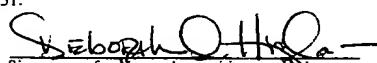
7/3
1/13/01
V. Varnall

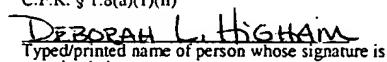
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12/27/00

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Signature of registered practitioner or other
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to occur on date of deposit shown pursuant to 37
C.F.R. § 1.8(a)(1)(ii)


DEBORAH L. HIGHAM
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AMENDMENT

Hon. Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the October 12, 2000 Office Action, please amend the present application as follows:

IN THE CLAIMS:

Please amend the claims 1, 2, 4-7, 12, 13, 15, 16, 23, 25, and 28 (previously misnumbered as claim 27), as follows:

B1 and D1 → 1. (First Amended) A microelectronic component assembly, comprising:
a [first] substrate having at least one contact;